

Relation between causal agents and code no. 07 caught in/between as type of Fatal and non-fatal accidents in 1999-2021

L	M	S	causal agent	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total
		111	engine		31	24		16		16	11	20	9	21	11	13	23	11	13	11	11	19	13	11	8	12	304
	11		engine	27	31	24	20	16	23	16	11	20	9	21	11	13	23	11	13	11	11	19	13	11	8	12	374
		121	power transmission mechanism		536	506		431		467	431	404	408	354	375	353	352	336	320	368	301	340	328	287	276	287	7,460
	12		power transmission mechanism	605	536	506	501	431	423	467	431	404	408	354	375	353	352	336	320	368	301	340	328	287	276	287	8,989
		131	circular sawing machine		140	99		121		92	77	87	77	68	65	74	85	73	59	51	60	56	56	56	48	41	1,485
		132	band sawing machine		79	51		58		42	27	36	21	30	18	24	16	15	22	11	13	20	15	12	12	13	535
		133	wood planer machine		57	74		54		41	43	28	48	26	34	30	30	30	21	16	14	12	20	20	23	24	645
		134	hollow chisel mortiser, wood borer		52	56		42		41	29	41	32	22	21	16	18	28	20	21	24	16	21	10	21	13	544
		135	chamfering machine, router, woodworking milling machine		22	24		26		20	16	18	12	10	10	8	6	10	14	9	11	9	9	7	6	11	258
		136	chain saw		6	16		10		10	6	9	13	8	7	11	7	4	6	3	3	4	5	2	8	6	144
		139	other woodworking machines		432	336		287		282	240	270	215	190	176	191	200	166	164	136	176	131	126	125	122	144	4,109
	13		woodworking machine	807	788	656	587	598	548	528	438	489	418	354	331	354	362	326	306	247	301	248	252	232	240	252	9,662
		141	leveling, transporting or loading machine		139	126		133		117	124	107	93	76	83	96	90	88	83	86	61	83	80	68	58	78	1,869
		142	excavating machine		419	397		322		336	309	239	251	232	235	239	248	241	267	196	205	221	209	228	230	226	5,250
		143	foundation work machine		55	45		40		44	42	29	32	24	29	30	38	37	28	38	27	28	25	26	28	21	666
		144	hardening machine		71	83		63		45	49	50	40	48	38	34	32	33	42	37	41	29	28	35	24	25	847
		145	demolition machine		29	30		31		30	35	26	27	19	26	22	31	58	60	56	67	57	39	54	55	55	807
		146	vehicle for high lift work		22	28		32		29	39	41	34	29	20	30	21	28	39	35	34	28	24	37	31	28	609
		149	other construction machines		173	169		162		152	131	125	115	112	111	116	131	120	117	88	74	71	82	68	62	66	2,245
	14		construction machine	1,016	908	878	839	783	748	753	729	617	592	540	542	567	591	605	636	536	509	517	487	516	488	499	14,896
		151	lathe		345	360		283		270	285	225	263	199	197	207	219	171	155	192	153	137	178	145	156	155	4,295
		152	drill press, milling machine		503	511		402		413	389	370	371	248	253	252	234	221	232	244	225	187	194	180	172	166	5,767
		153	grinding machine, buffing machine		132	139		124		122	115	127	112	80	80	103	88	66	95	77	88	92	81	84	62	84	1,951
		154	power press		1,257	1,024		1,025		954	893	805	718	490	518	601	599	522	538	517	461	492	469	452	395	397	13,127
		155	forging pressure		13	12		5		15	15	10	13	10	9	7	5	7	3	9	7	11	9	6	7	5	178

		hammer																								
	156	shearing machine		172	124		160		126	116	117	107	101	87	82	87	66	99	73	79	65	64	70	55	65	1,915
	159	other metal manufacturing machines		1,233	1,061		973		901	901	840	731	532	590	654	615	619	578	521	487	550	514	531	456	493	13,780
	15	metal manufacturing machine	3,853	3,655	3,231	2,969	2,972	2,941	2,801	2,714	2,494	2,315	1,660	1,734	1,906	1,847	1,672	1,700	1,633	1,500	1,534	1,509	1,468	1,303	1,365	50,776
	161	centrifugal machine		19	8		15		9	14	12	14	6	9	10	9	11	9	10	9	8	11	10	10	7	210
	162	mixer, grinder		253	269		265		221	236	245	213	204	189	193	214	208	194	186	143	170	151	161	174	146	4,035
	163	roll machine (except printing roll machine)		640	601		562		514	500	483	477	419	460	393	414	411	397	366	329	393	335	339	324	303	8,660
	164	injection molding machine		175	157		150		132	109	112	77	83	87	63	75	69	45	53	41	58	64	51	52	63	1,716
	165	food manufacturing machine		1,294	1,267		1,148		1,136	1,015	967	987	951	971	932	907	849	814	807	795	795	713	721	641	667	18,377
	166	printing machine		463	451		421		372	361	327	317	270	260	262	250	227	215	181	184	186	159	147	142	165	5,360
	167	industrial robot		20	16		34		21	25	25	15	15	12	14	17	14	15	16	12	14	16	13	13	12	339
	169	other general power machines		3,151	3,033		2,943		2,511	2,582	2,474	2,362	2,006	2,027	2,027	1,915	1,811	1,774	1,725	1,677	1,730	1,806	1,795	1,560	1,648	42,557
	16	general machine	5,989	6,015	5,802	5,590	5,538	5,336	4,916	4,842	4,645	4,462	3,954	4,015	3,894	3,801	3,600	3,463	3,344	3,190	3,354	3,255	3,237	2,916	3,011	98,169
	171	felling machine																6	2	6	7	10	12	3	46	
	172	mobile logging machine																8	5	4	8	3	3	5	36	
	173	skyline yarding machine																1	6	1	7	6	2	5	28	
	179	other mobile silviculture machine																		1	2		3	2	8	
	17	mobile silviculture machine																15	13	12	24	19	20	15	118	
	1	machine	12,297	11,933	11,097	10,506	10,338	10,019	9,481	9,165	8,669	8,204	6,883	7,008	7,087	6,976	6,550	6,438	6,154	5,825	6,024	5,868	5,770	5,251	5,441	182,984
	211	crane		585	570		572		515	490	534	452	367	362	389	399	333	359	305	324	331	352	381	300	331	8,251
	212	mobile crane		376	319		315		280	268	235	265	222	204	197	183	210	199	202	185	181	193	188	178	184	4,584
	213	derrick crane					1			1				1	2											5
	214	elevator, lift		150	188		163		131	140	165	114	120	96	87	96	87	113	94	84	81	94	104	67	81	2,255
	215	cargo lifting appliance		10	11		6		5	5	6	2	4	3	10	1	5	5	1	2	7	4	5	5	4	101
	216	gondola		2	3		6		4	4	1	6		5	5	1	2	3	1	2	4	4	5	1	2	61
	217	lumberyard equipment, logging cableway		13	14		9		13	8	9	7	7	10	5	4	7	6	2	4	6	2	3	1	6	136
	218	simple skyline yarding equipment																						2	1	3
	219	other powered		139	130		117		122	118	92	78	85	81	75	75	87	80	72	52	50	75	67	70	64	1,729

51	substances	2	4	2	2	4	1	1	4	1	1	1	1	1	3	1	1		3	7		1		1	42
521	metal material		1,233	1,230		1,059		962	945	937	814	695	666	664	620	629	659	637	598	655	662	596	586	536	15,383
522	lumber, bamboo		356	327		250		226	193	178	134	120	142	139	136	122	126	113	130	127	113	102	105	104	3,243
523	stone, sand, substance		232	187		143		128	102	89	80	78	77	68	71	59	77	59	59	48	56	65	41	50	1,769
529	other materials		251	201		168		130	137	131	121	92	87	108	101	104	86	87	79	97	92	99	93	91	2,355
52	materials	2,177	2,072	1,945	1,749	1,620	1,506	1,446	1,377	1,335	1,149	985	972	979	928	914	948	896	866	927	923	862	825	781	28,182
5	substance, material	2,179	2,076	1,947	1,751	1,624	1,507	1,447	1,381	1,336	1,150	986	973	980	931	915	949	896	869	934	923	863	825	782	28,224
611	load		905	905		795		696	722	666	674	566	585	577	530	562	540	541	489	501	510	551	508	531	12,354
612	machine/equipment as load		175	196		167		154	180	135	122	122	131	109	115	95	88	101	106	82	82	93	80	77	2,410
61	load	1,036	1,080	1,101	934	962	894	850	902	801	796	688	716	686	645	657	628	642	595	583	592	644	588	608	17,628
6	load	1,036	1,080	1,101	934	962	894	850	902	801	796	688	716	686	645	657	628	642	595	583	592	644	588	608	17,628
711	natural ground, rock		21	11		21		13	16	6	11	6	5	10	10	9	6	8	5	7	7	4	4	8	188
712	standing tree		78	61		54		37	38	46	48	40	45	49	48	63	39	38	22	31	45	35	35	41	893
713	water		1	1		2		1	6		6	2	1	1	2	3	1	3	1	3	2	2	1		39
714	abnormal environment			1				2														1			4
715	high/cold temperature environment			1						1	1									1					4
719	other environments		130	129		128		133	117	109	131	110	106	117	139	136	110	103	131	86	128	143	160	150	2,496
71	natural environment	183	230	204	199	205	203	186	177	162	197	158	157	177	199	211	156	152	159	128	182	185	200	199	4,209
7	environment	183	230	204	199	205	203	186	177	162	197	158	157	177	199	211	156	152	159	128	182	185	200	199	4,209
911	other causal agent		146	76		70		66	66	78	86	44	64	66	62	58	54	79	58	88	76	67	58	57	1,419
91	other causal agent	134	146	76	80	70	83	66	66	78	86	44	64	66	62	58	54	79	58	88	76	67	58	57	1,716
921	no causal agent		11	8		9		3	15	12	16	8	8	5	16	13	13	9	11	19	20	24	34	47	301
92	no causal agent	11	11	8	8	9	5	3	15	12	16	8	8	5	16	13	13	9	11	19	20	24	34	47	325
999	unclassifiable		4	9		4		2	4	5	10	4	2	1	4	3	2	2		3	3	1		3	66
99	unclassifiable	5	4	9	6	4	9	2	4	5	10	4	2	1	4	3	2	2		3	3	1		3	86
9	others	150	161	93	94	83	97	71	85	95	112	56	74	72	82	74	69	90	69	110	99	92	92	107	2,127
0	total	24,813	24,595	23,450	22,150	21,795	21,441	20,293	20,043	19,375	18,439	15,514	15,843	15,851	15,802	15,276	15,238	14,513	14,136	14,529	14,585	14,592	13,602	14,020	409,895

Data of 2011 year include Industrial accidents caused by Great East Japan Earthquake in 2011.

Data sources: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm> (MHLW, Japan)

Return to <https://www.jisha.or.jp/english/statistics/2021enfctc.html>